IN THE CLAIMS

Please amend the claims as follows:

Claims 1-18 (Canceled).

Claim 19 (Currently Amended): An insulated conductor for a high-voltage winding in an electric machine, comprising:

at least one uninsulated strand and a plurality of strands each being insulated from one another;

an inner conductive layer that surrounds and contacts said plurality of strands and said at least one uninsulated strand;

an insulating layer that surrounds said inner conductive layer; and

an outer conductive layer that surrounds said insulating layer, wherein:

a resistivity of the outer conductive layer being in an inclusive range of 10 through 500 ohm*cm.

Claim 20 (Previously Presented): An insulated conductor as claimed in claim 19, wherein:

the outer conductive layer is grounded at at least two different points.

Claim 21 (Currently Amended): An insulated conductor as claimed in claim 20, wherein:

said outer conductive layer having a resistivity being lower than that of the insulating layer but higher than that of a material that comprises said plurality of strands.

Claim 22 (Previously Presented): An insulated conductor as claimed in claim 19, wherein:

the resistivity of the outer conductive layer being in an inclusive range of 50 through 100 ohm*cm.

Claim 23 (Previously Presented): An insulated conductor as claimed in claim 19, wherein:

a resistance per axial length unit of the outer conductive layer being in an inclusive range of 5 through 50000 ohm/m.

Claim 24 (Previously Presented): An insulated conductor as claimed in claim 19, wherein:

a resistance per axial length unit of the outer conductive layer being in an inclusive range of 500 through 25000 ohm/m.

Claim 25 (Previously Presented): An insulated conductor as claimed in claim 19, wherein:

a resistance per axial length unit of the outer conductive layer being in an inclusive range of 2500 through 5000 ohm/m.

Claim 26 (Previously Presented): An insulated conductor as claimed in claim 19, wherein:

said outer conductor including a base polymer and a carbon black,

a resistivity of the outer conductive layer being set by

a type of the base polymer,

a type of the carbon black, and

a proportion of the carbon black relative to an entire formulation of said outer conductive layer.

Claim 27 (Previously Presented): An insulated conductor as claimed in claim 26, wherein:

the base polymer comprises an ethylene butyl acrylate copolymer of EP-rubber.

Claim 28 (Previously Presented): An insulated conductor as claimed in claim 25, wherein:

the outer conductive layer being cross-linked by peroxide.

Claim 29 (Previously Presented): An insulated conductor as claimed in claim 26, wherein:

the outer conductive layer being cross-linked by peroxide.

Claim 30 (Currently Amended): An insulated conductor as claimed in claim 19, wherein:

the insulating layer being configured to adhere to the ~~outermost~~ outer conductive layer with a predetermined adhesion strength, said predetermined adhesion strength being of a same order of magnitude as an intrinsic strength of a material that forms said insulating layer.

Claim 31 (Previously Presented): An insulated conductor as claimed in claim 19, wherein:

the inner conductive layer, the insulating layer and the outer conductive layer are extruded on the one or more strands.

Claim 32 (Previously Presented): An insulated conductor as claimed in claim 30, wherein:

the inner conductive layer, the insulating layer and the outer conductive layer are applied through extrusion through a multilayer head.

Claim 33 (Previously Presented): An insulated conductor as claimed in claim 19, wherein:

the insulating layer being a crosslinked polyethylene, XLPE.

Claim 34 (Previously Presented): An insulated conductor as claimed in claim 19, wherein:

the insulating layer being at least one of ethylene propylene rubber and silicone rubber.

Claim 35 (Previously Presented): An insulated conductor as claimed in claim 19 wherein:

the insulating layer being a thermoplastic material from a set of LDPE, HDPE, PP, PB, and PMP.

Claim 36 (Currently Amended): An electric machine comprising:

an insulated conductor for a high-voltage winding, having

at least one uninsulated strand and a plurality of strands insulated from one another,

an inner conductive layer that surrounds and contacts said plurality of insulated strands and said at least one uninsulated strand,

an insulating layer that surrounds said inner conductive layer, and

an outer conductive layer that surrounds said insulating layer, wherein:

a resistivity of the outer conductive layer being in an inclusive range of 10 through 500 ohm*cm.

Claim 37 (Currently Amended): A rotating electrical machine comprising:

an insulated conductor for a high-voltage winding, having

at least one uninsulated strand and a plurality of strands insulated from one another,

an inner conductive layer that surrounds and contacts said plurality of insulated strands and said at least one uninsulated strand,

an insulating layer that surrounds said inner conductive layer, and

an outer conductive layer that surrounds said insulating layer, wherein:

a resistivity of the outer conductive layer being in an inclusive range of 10 through 500 ohm*cm.

Claim 38 (Canceled).